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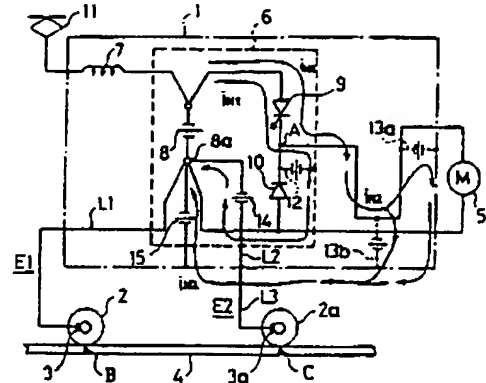
APPLICATION DATE : 13-11-85
APPLICATION NUMBER : 60252877

APPLICANT : MITSUBISHI ELECTRIC CORP;

INVENTOR : KOYAMA SHIGERU;

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TITLE : GROUNDED CIRCUIT FOR ELECTRIC
RAILWAY ROLLING STOCK



ABSTRACT : PURPOSE: To prevent a flowing through a rail of noise currents by connecting a bypass capacitor between a grounded circuit for a return wire circuit for an electric circuit and a grounded circuit for grounding a housing and a car body.

CONSTITUTION: Noise currents iN_1 flowing through a housing 6 through a stray capacitance 12 from an electric circuit circulating-flow through a filter capacitor 8 through a bypass capacitor 14. Noise currents iN_2 flowing through a car body 1 through stray capacitances 13a and 13b between a fitting wiring for the electric circuit and the car body 1 circulating-flow through the filter capacitor 8 through a bypass capacitor 15. Most noise current iN_1 , iN_2 are bypassed through the bypass capacitors 14, 15, and do not flow through a rail 4, thus preventing an adverse effect on a signal apparatus, etc. on the ground side connected to or adjacent to the rail.

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